

air-incident
 $NA = \sin \theta$
resolving power: $\lambda / (2NA)$

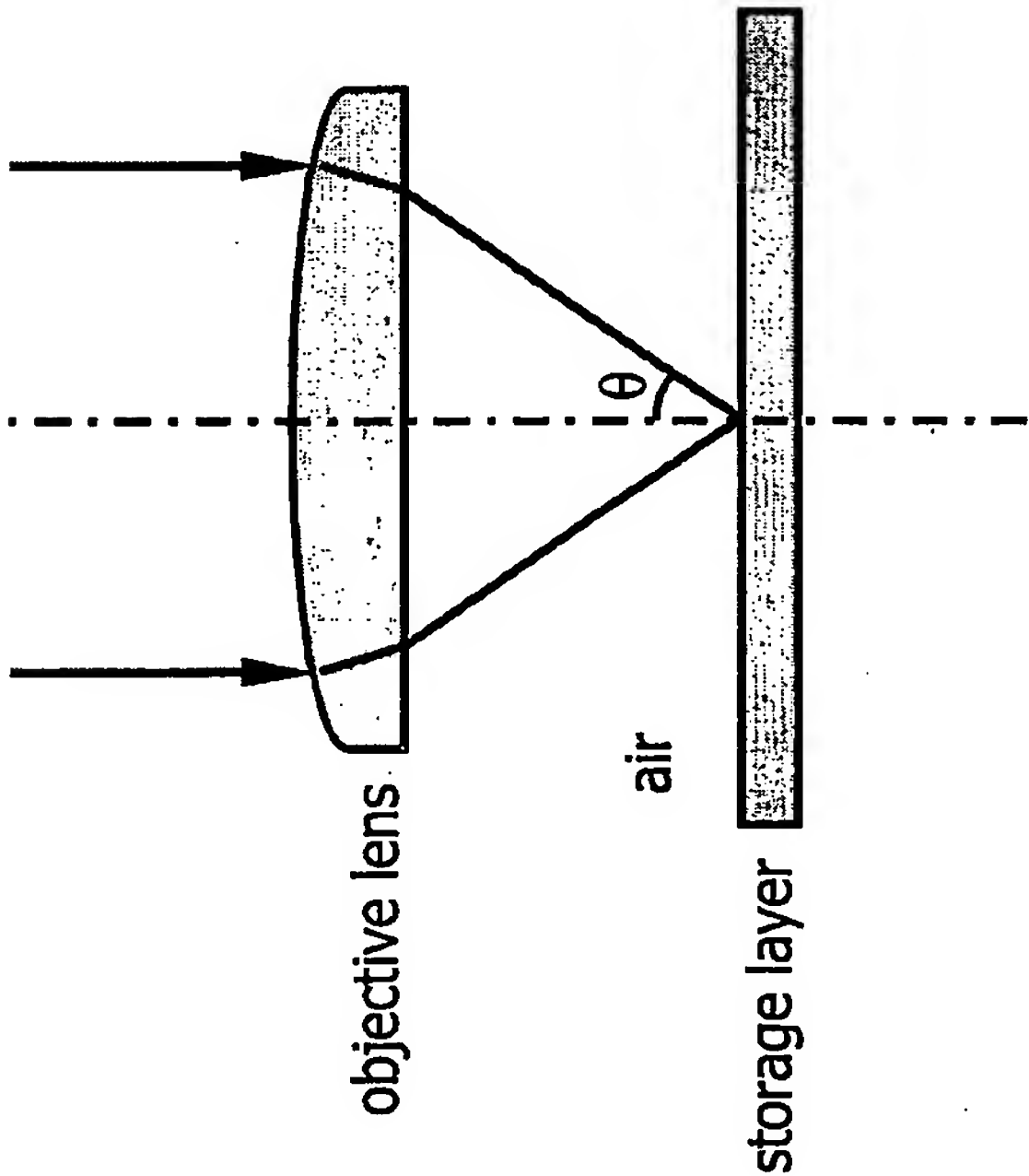


FIG.1A

with cover layer: $\lambda' = \lambda / n_0$
 $NA' = \sin \theta' = \sin \theta / n_0 = NA / n_0$
resolving power: $\lambda' / (2NA') = \lambda / (2NA)$

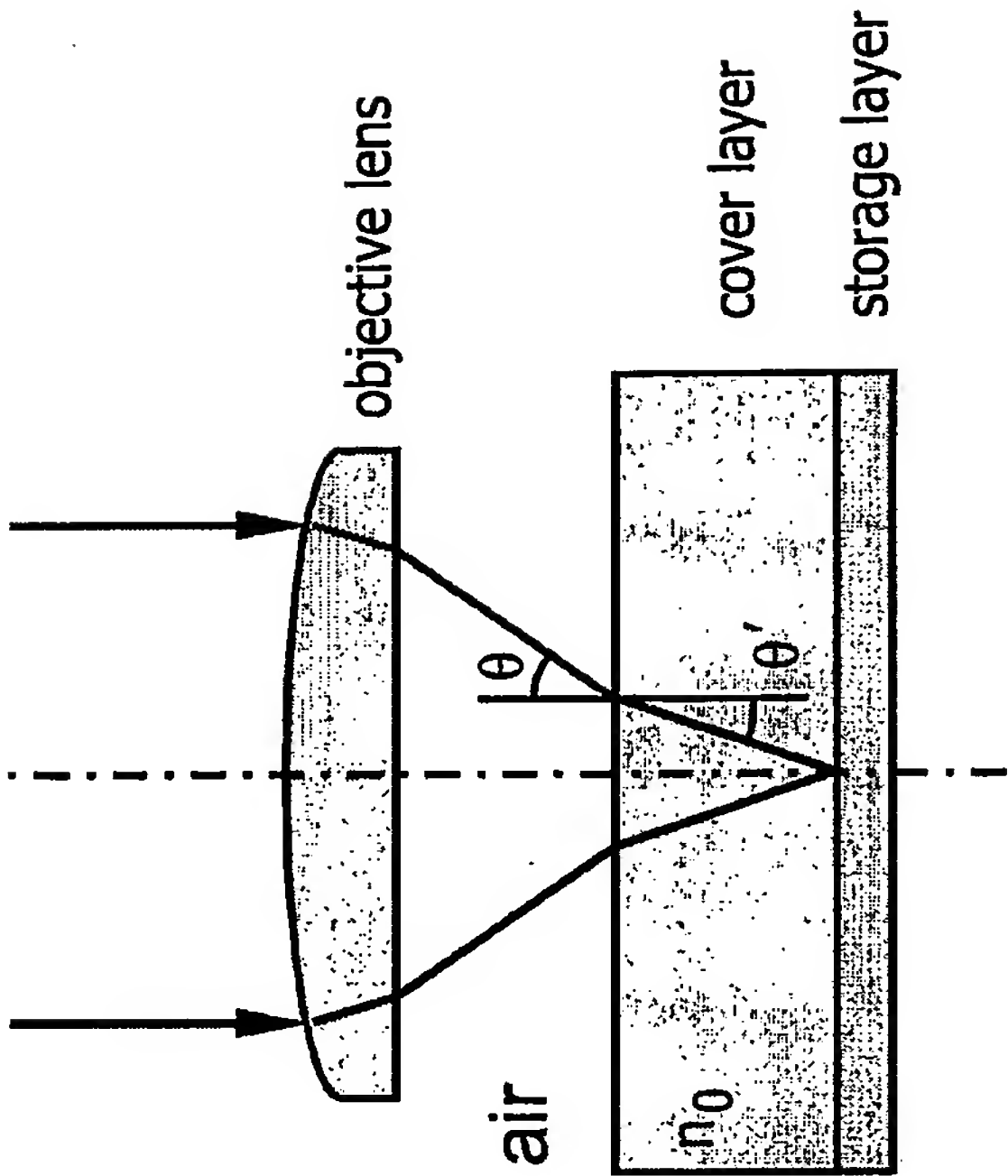


FIG.1B

air-incident with SIL
resolving power: $\lambda'/(2NA)$

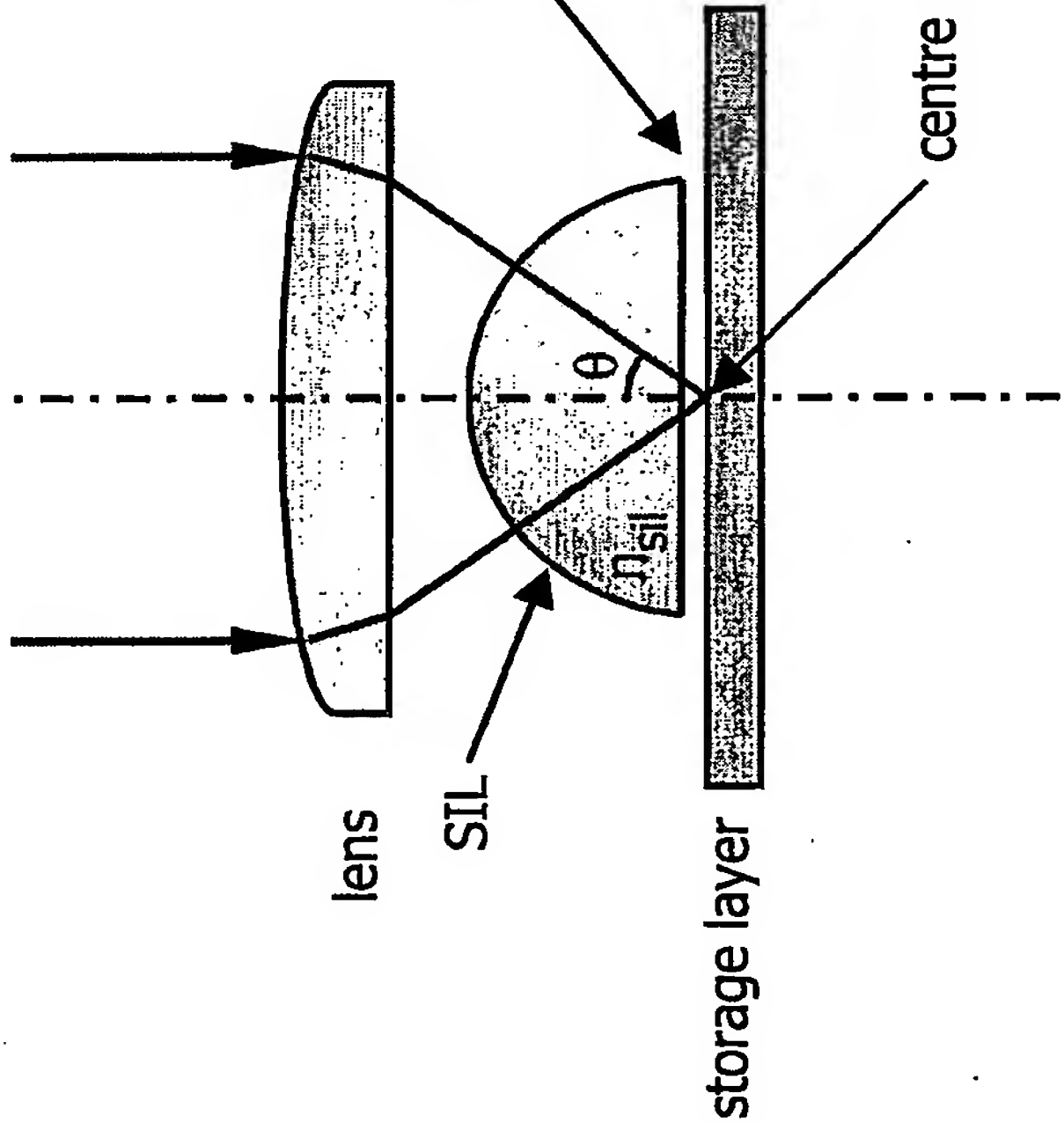


FIG.2A

with cover layer and SIL
resolving power: $\lambda'/(2NA)$

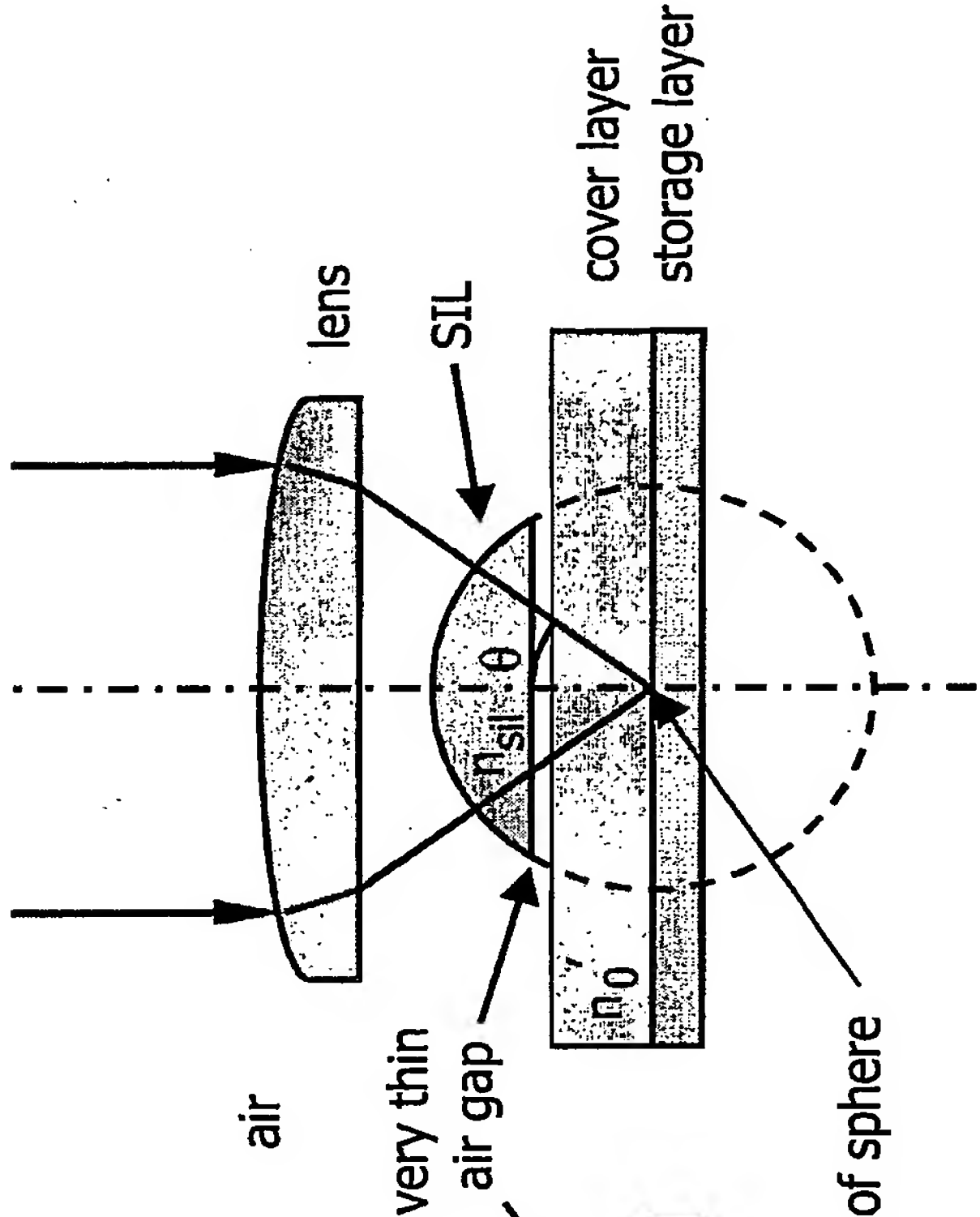
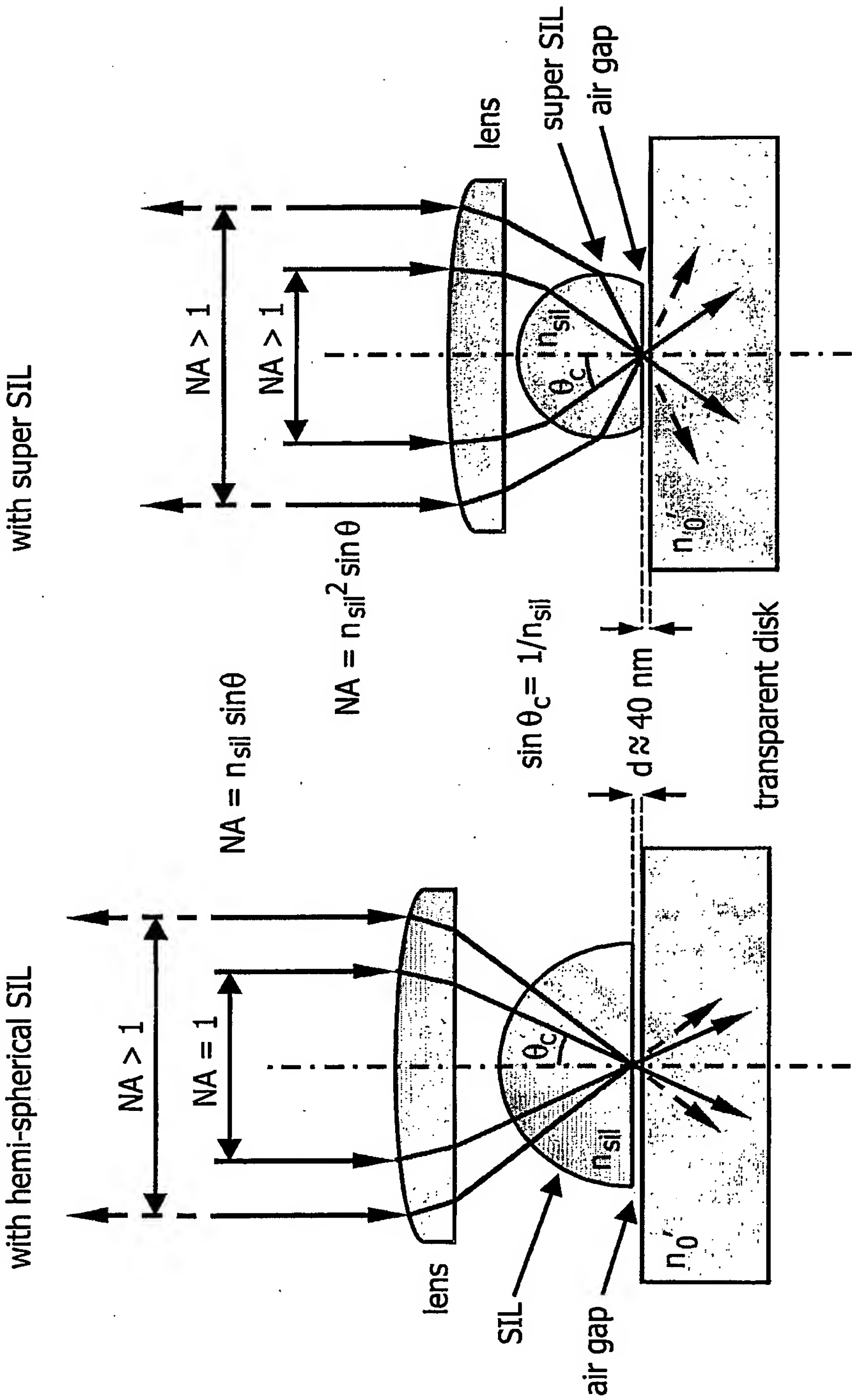


FIG.2B



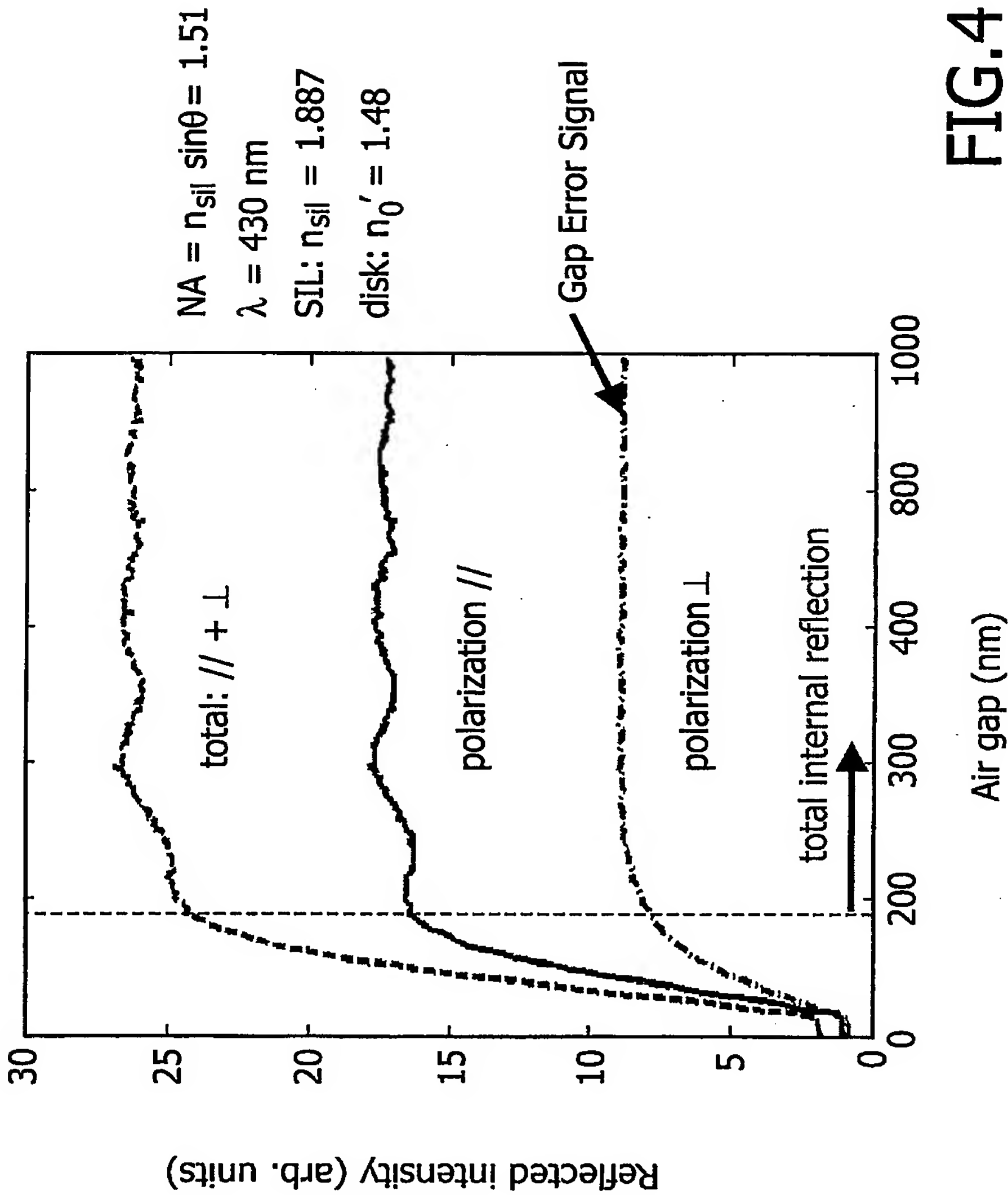


FIG.4

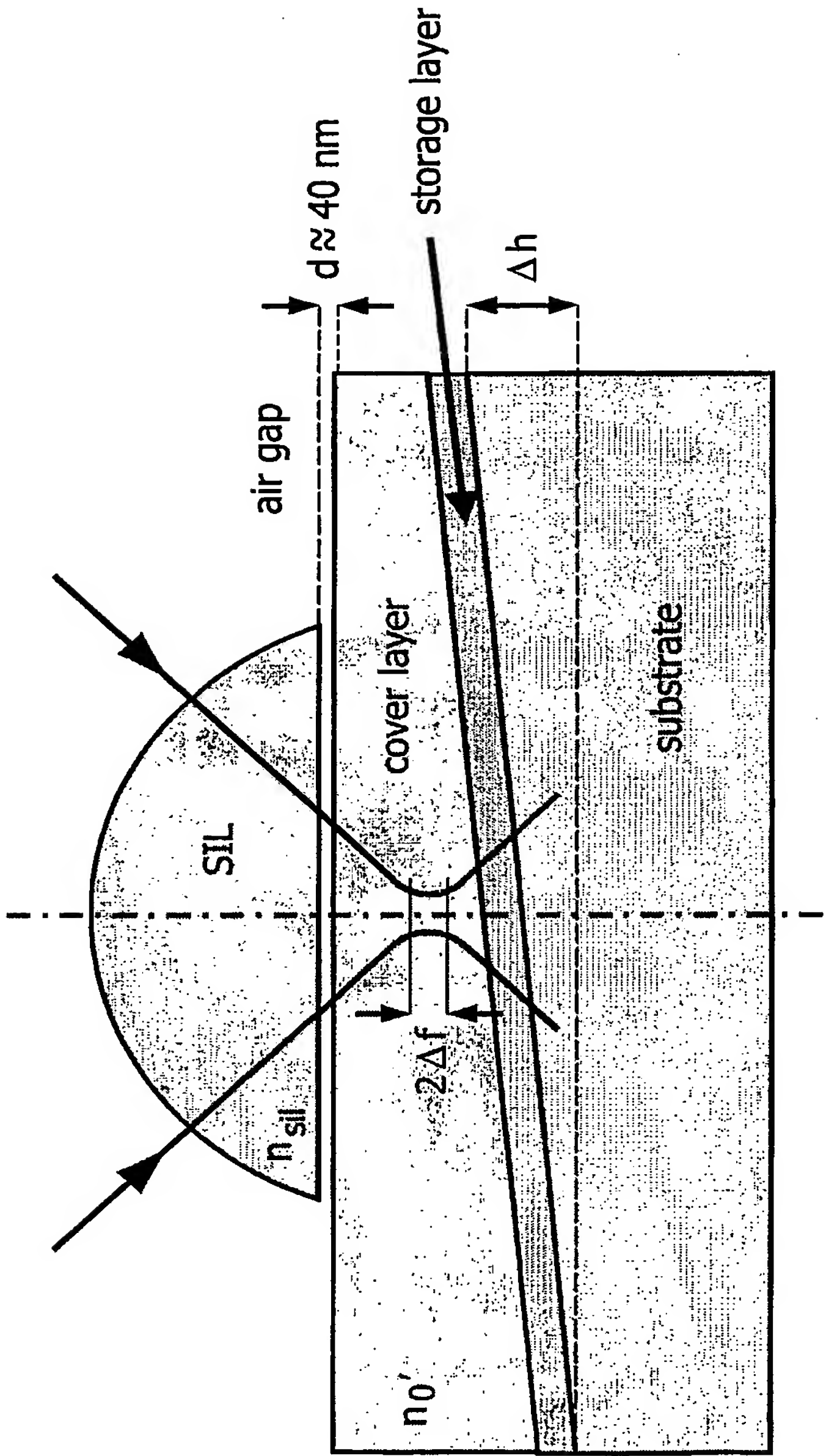


FIG.5

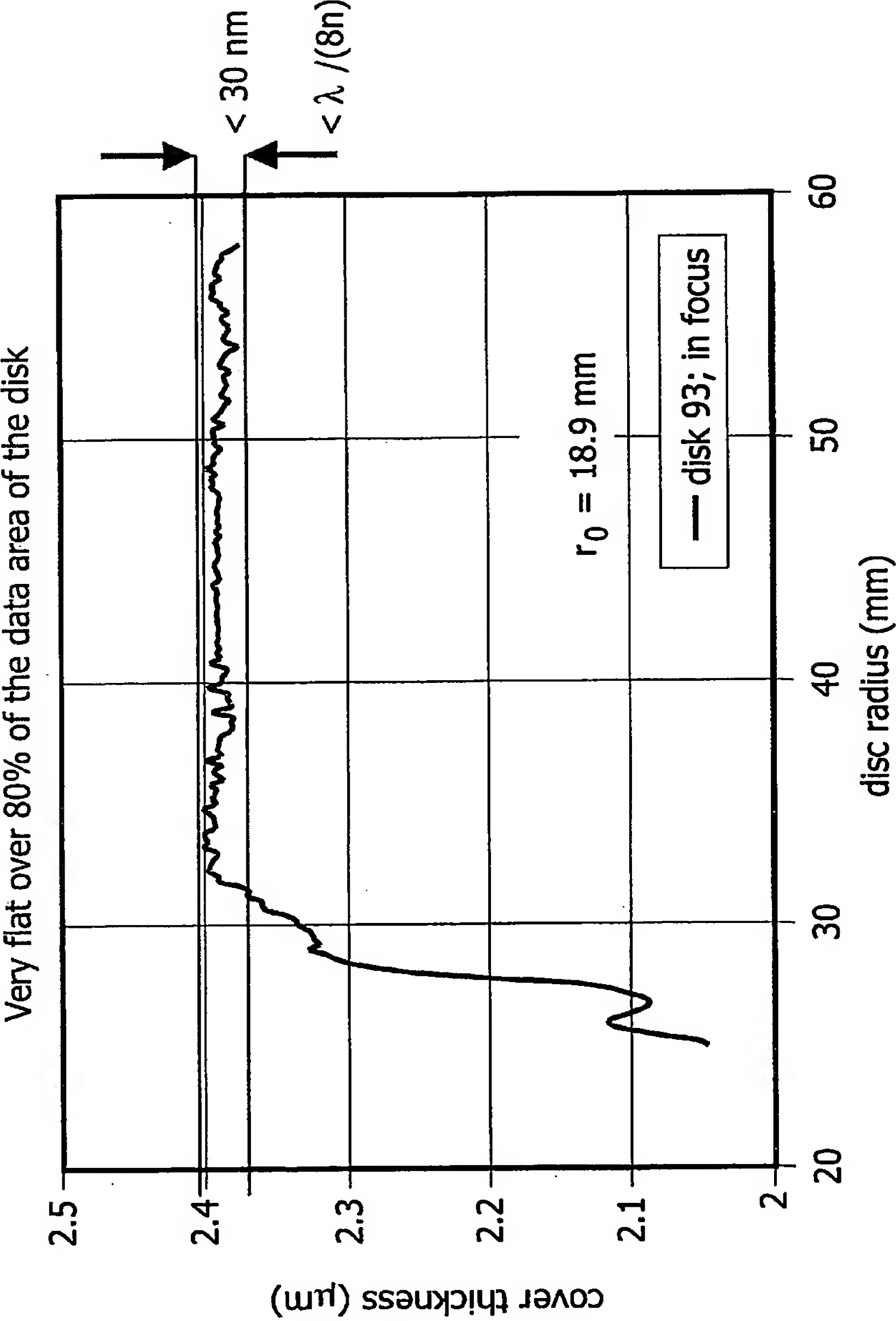


FIG.6

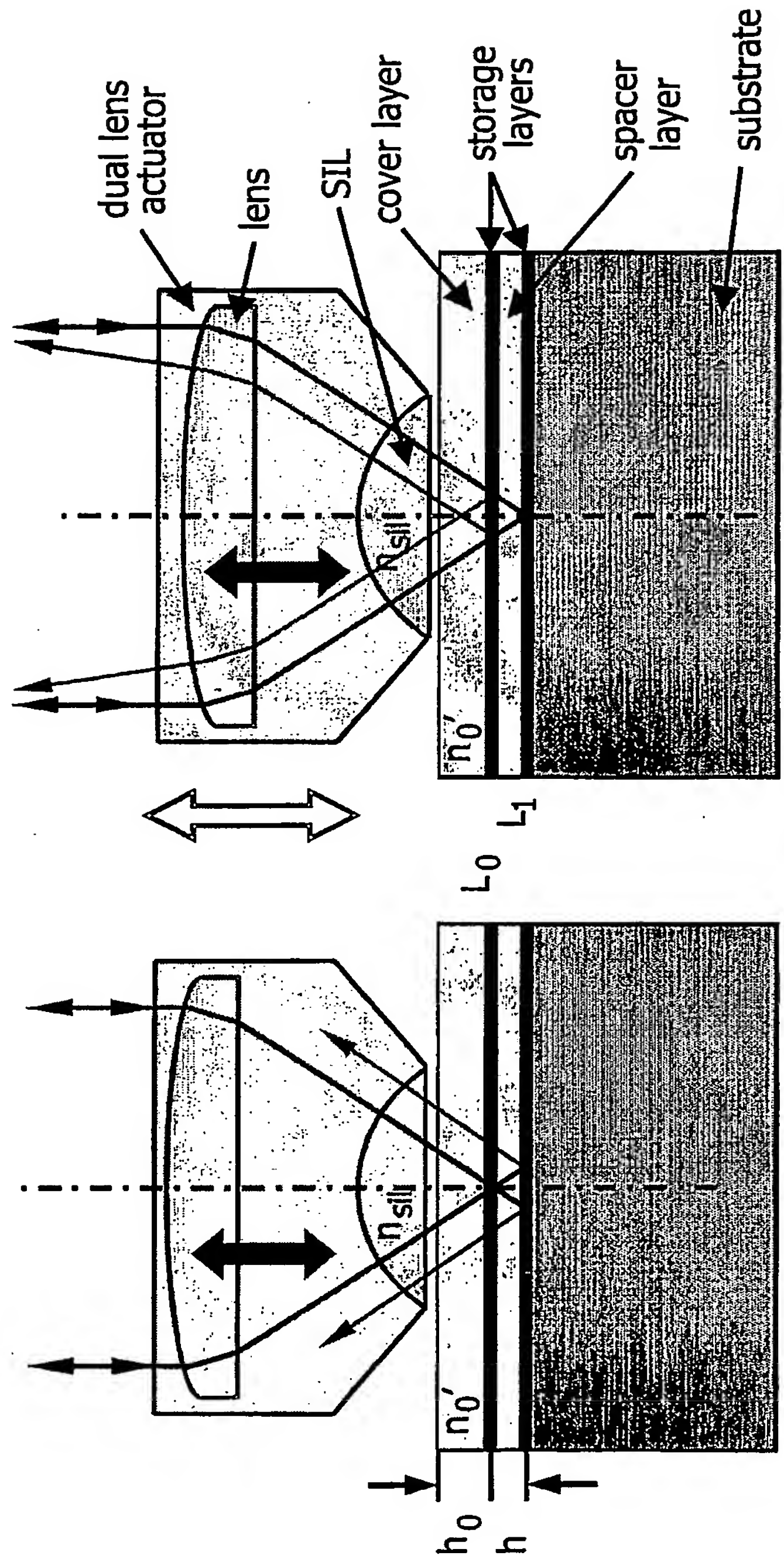


FIG. 7B

FIG. 7A

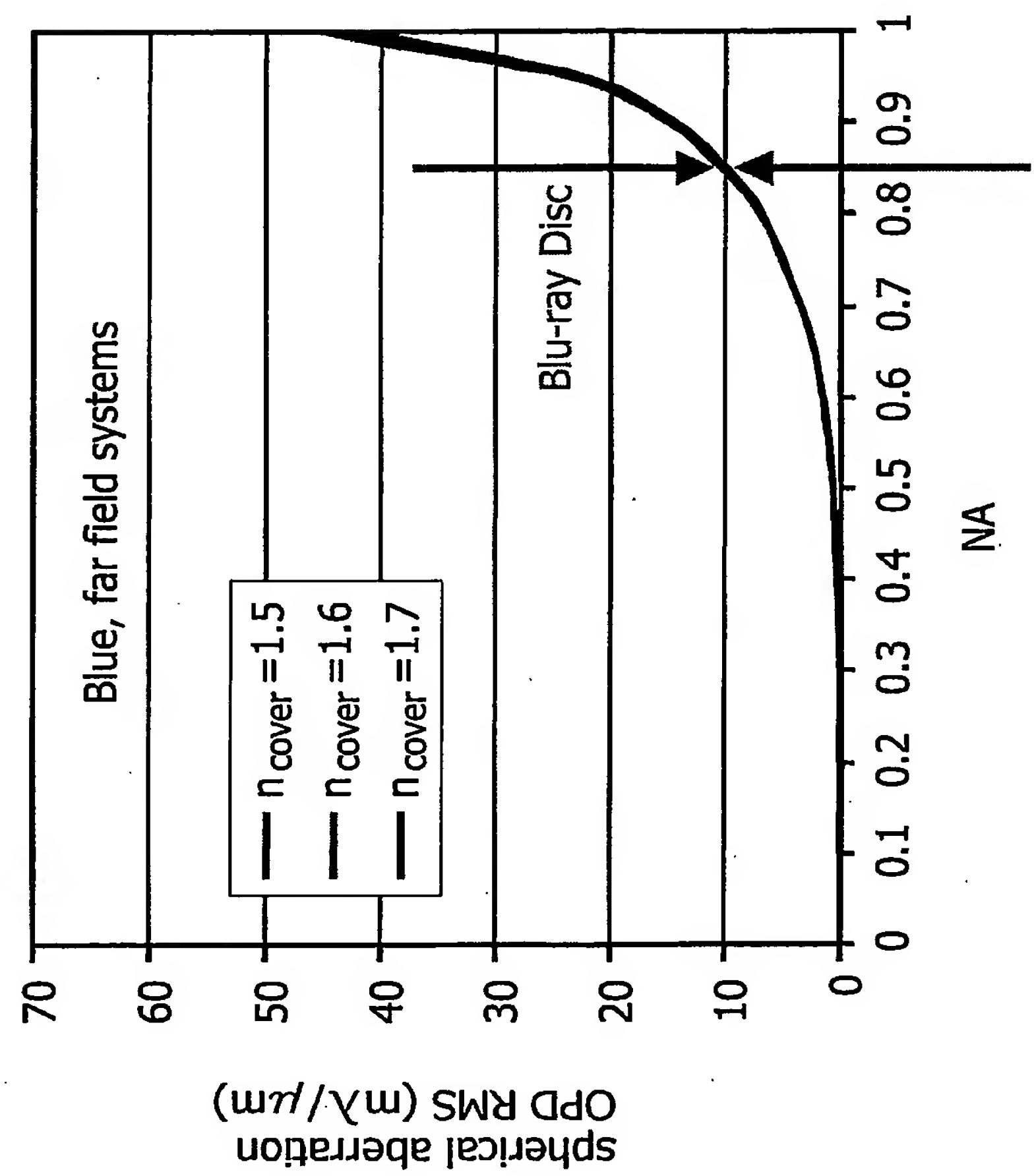


FIG.8

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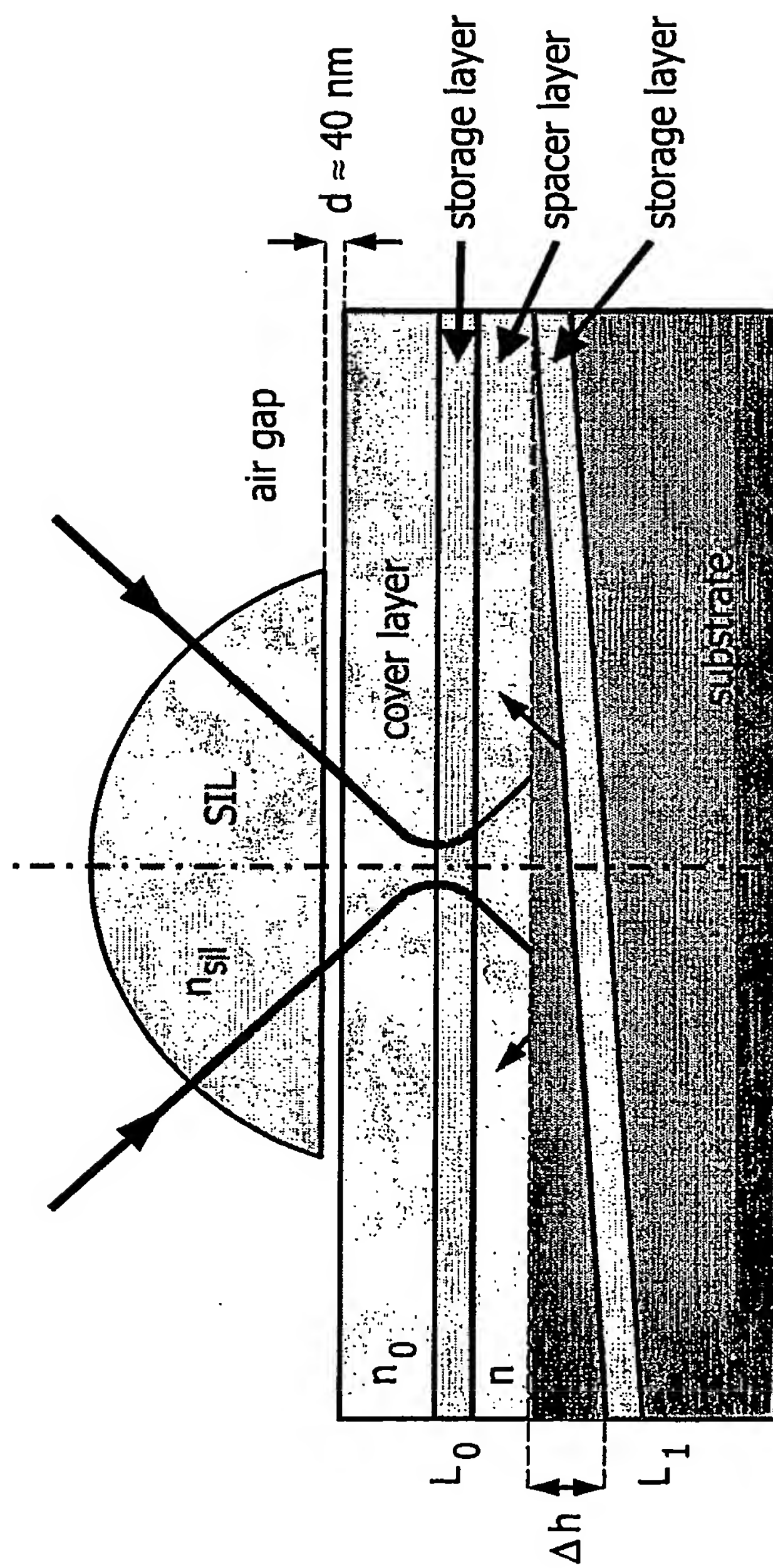


FIG. 9

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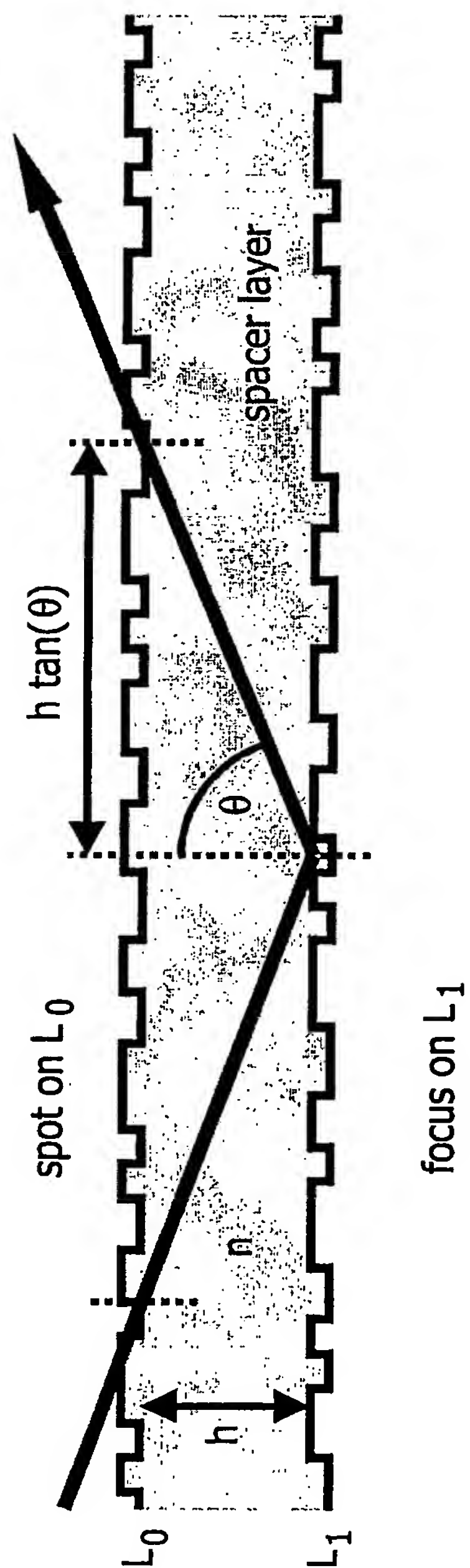


FIG.10

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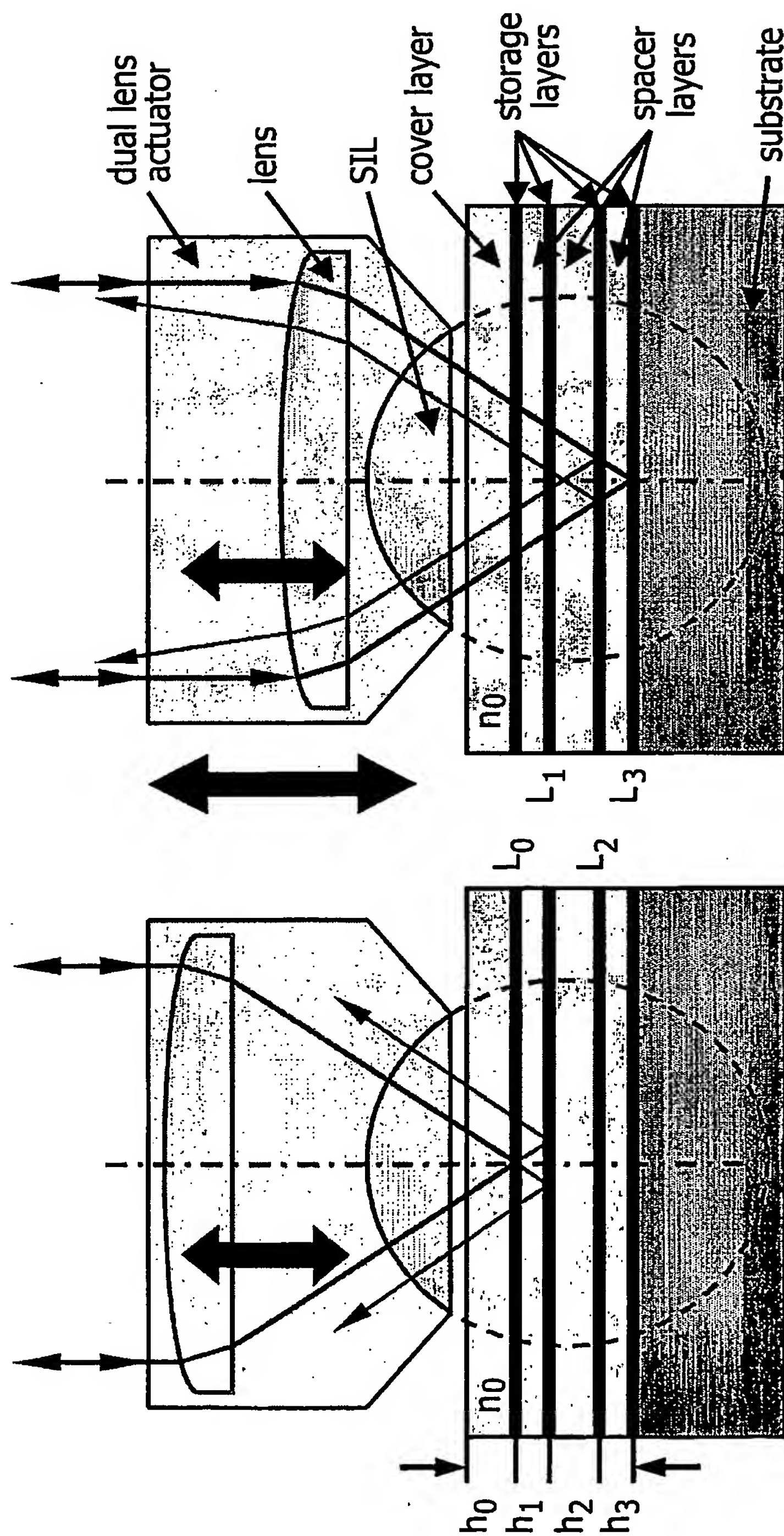


FIG.11B

FIG.11A

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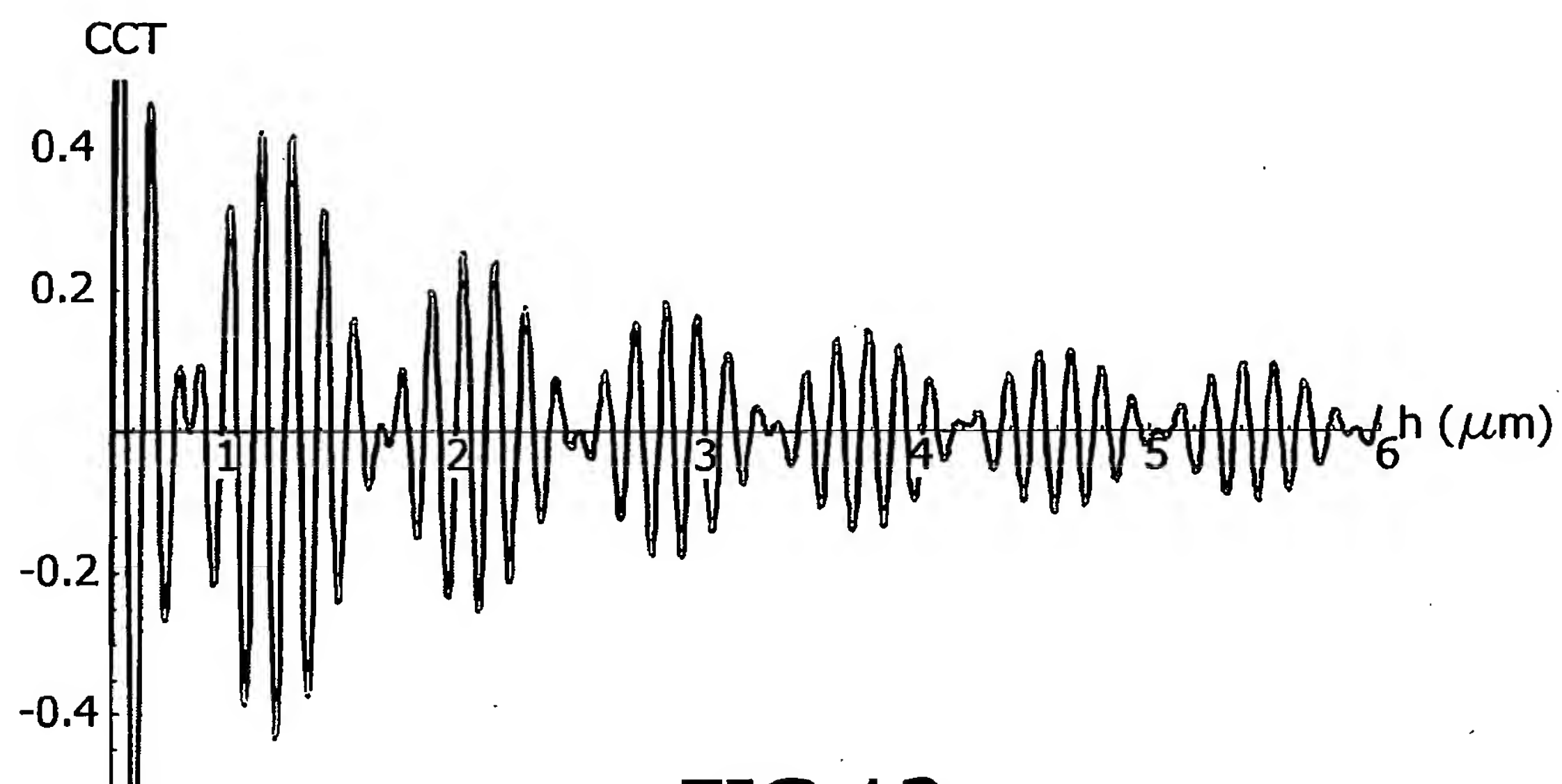


FIG.12

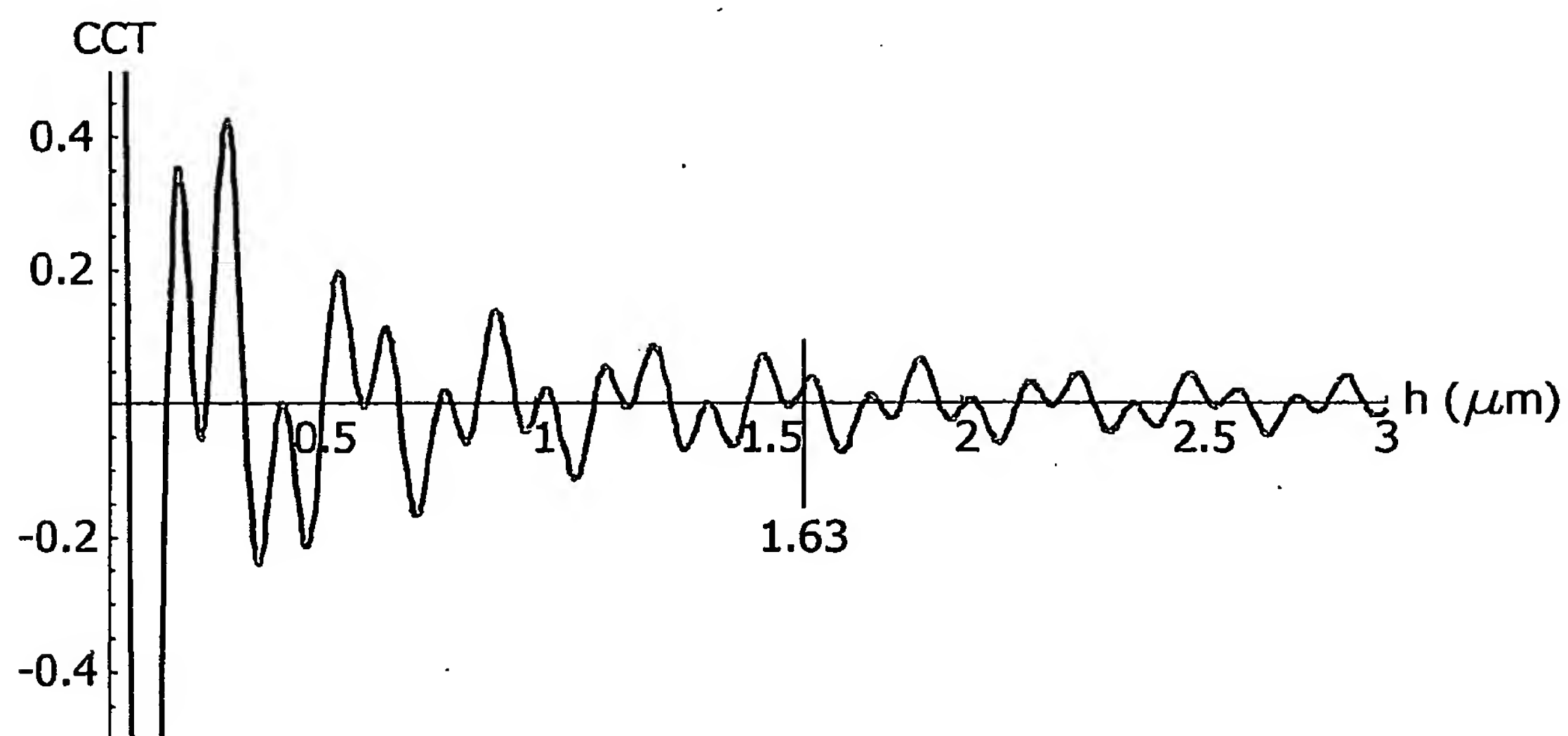


FIG.13

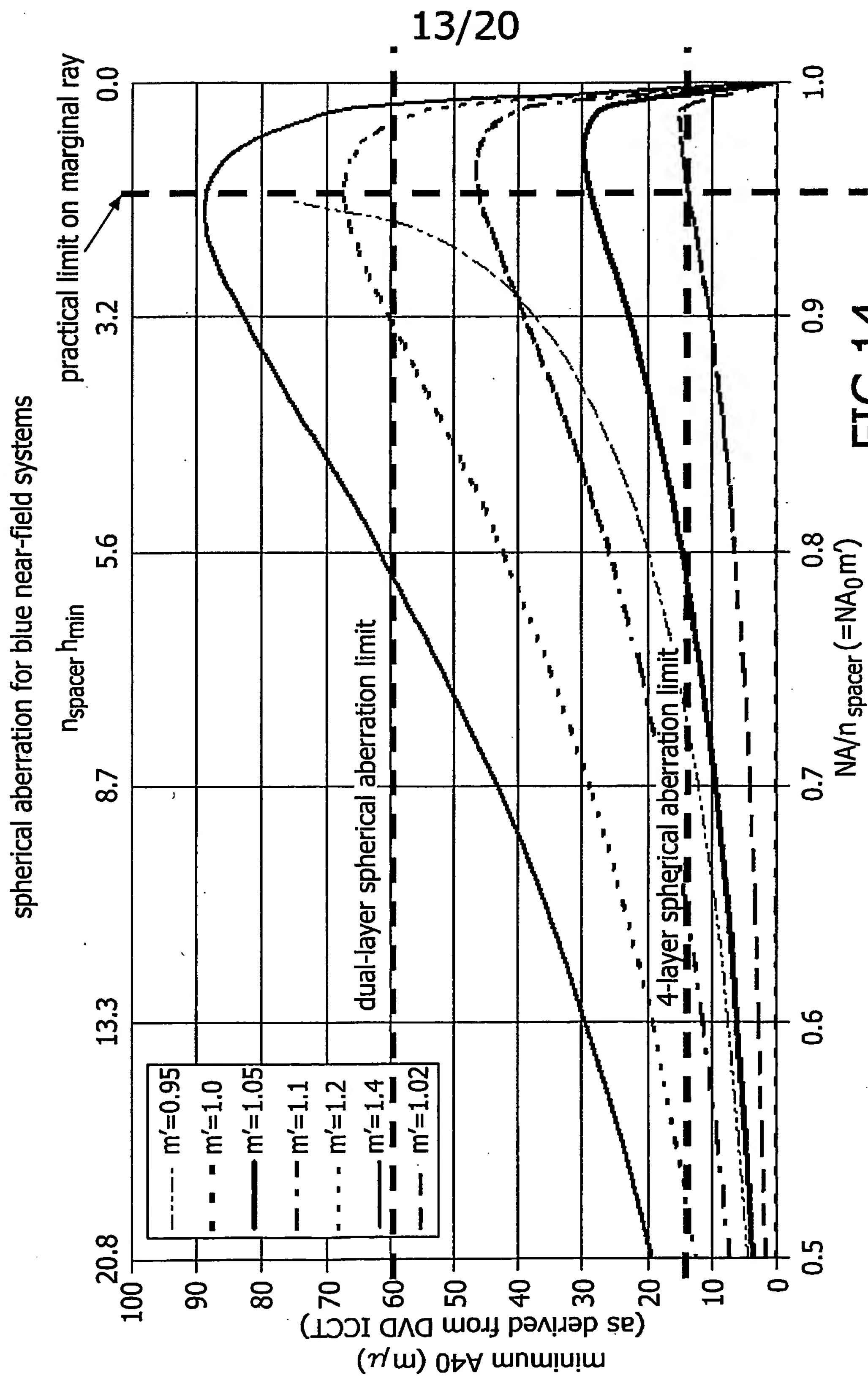


FIG.14

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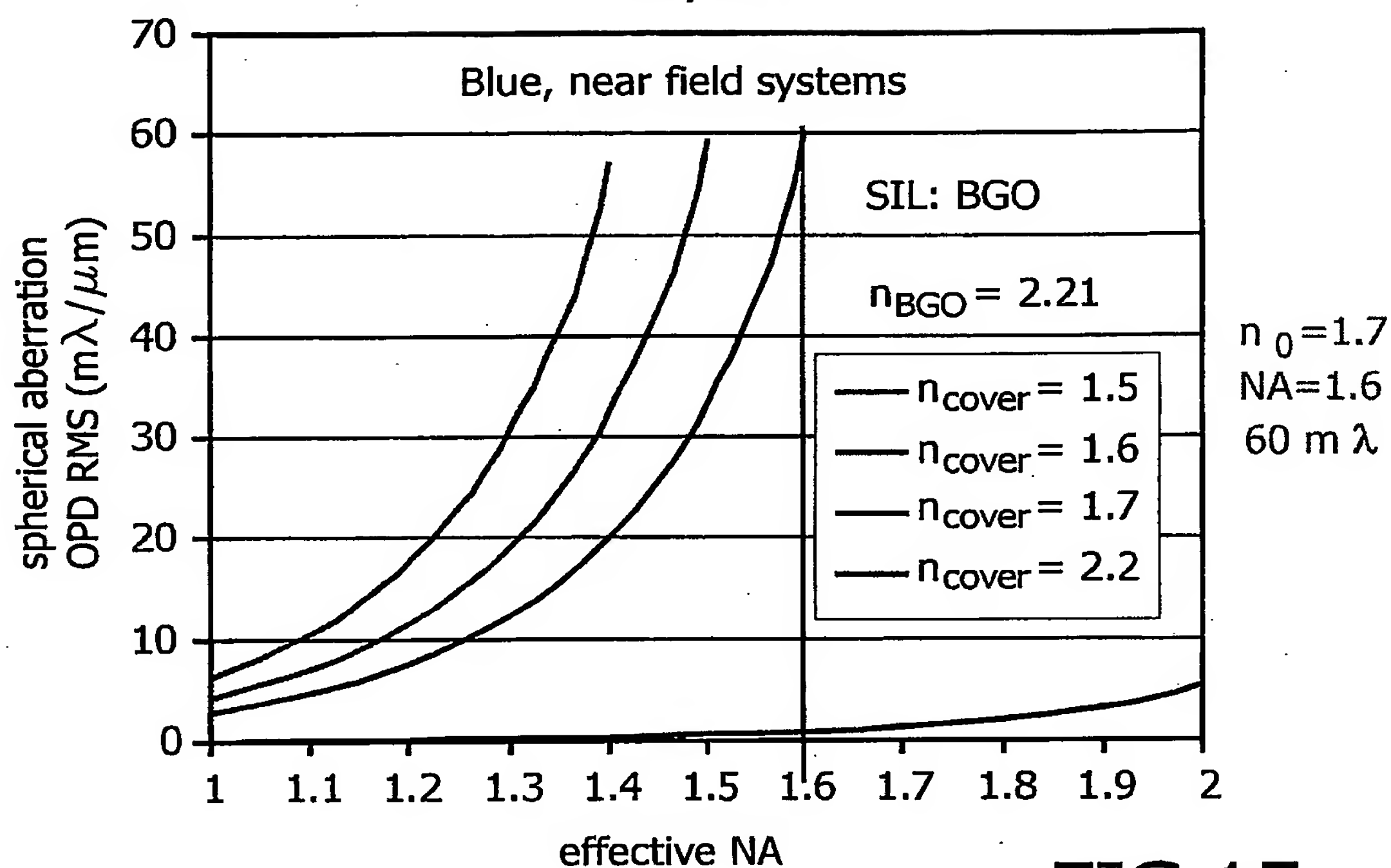


FIG.15

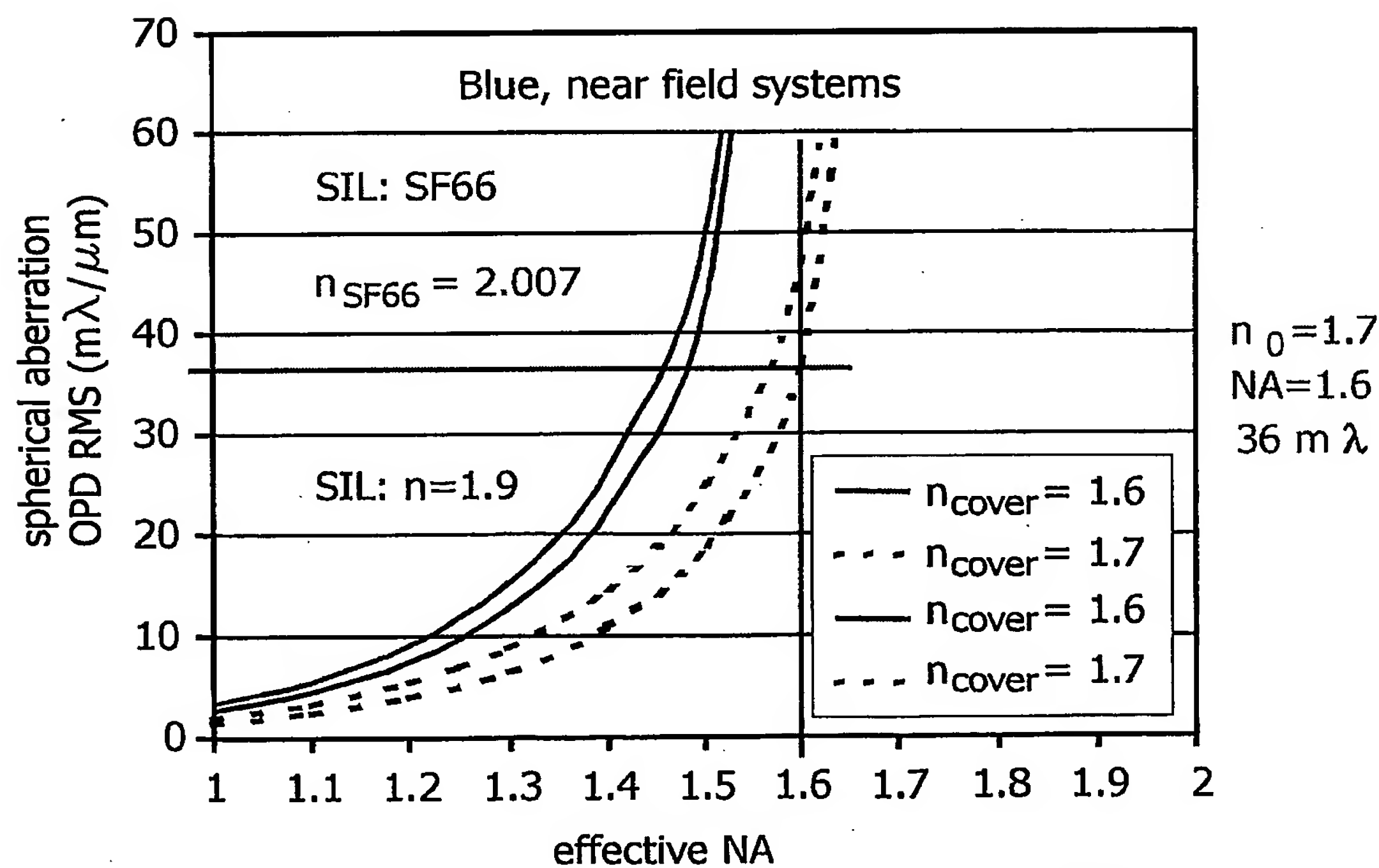


FIG.16

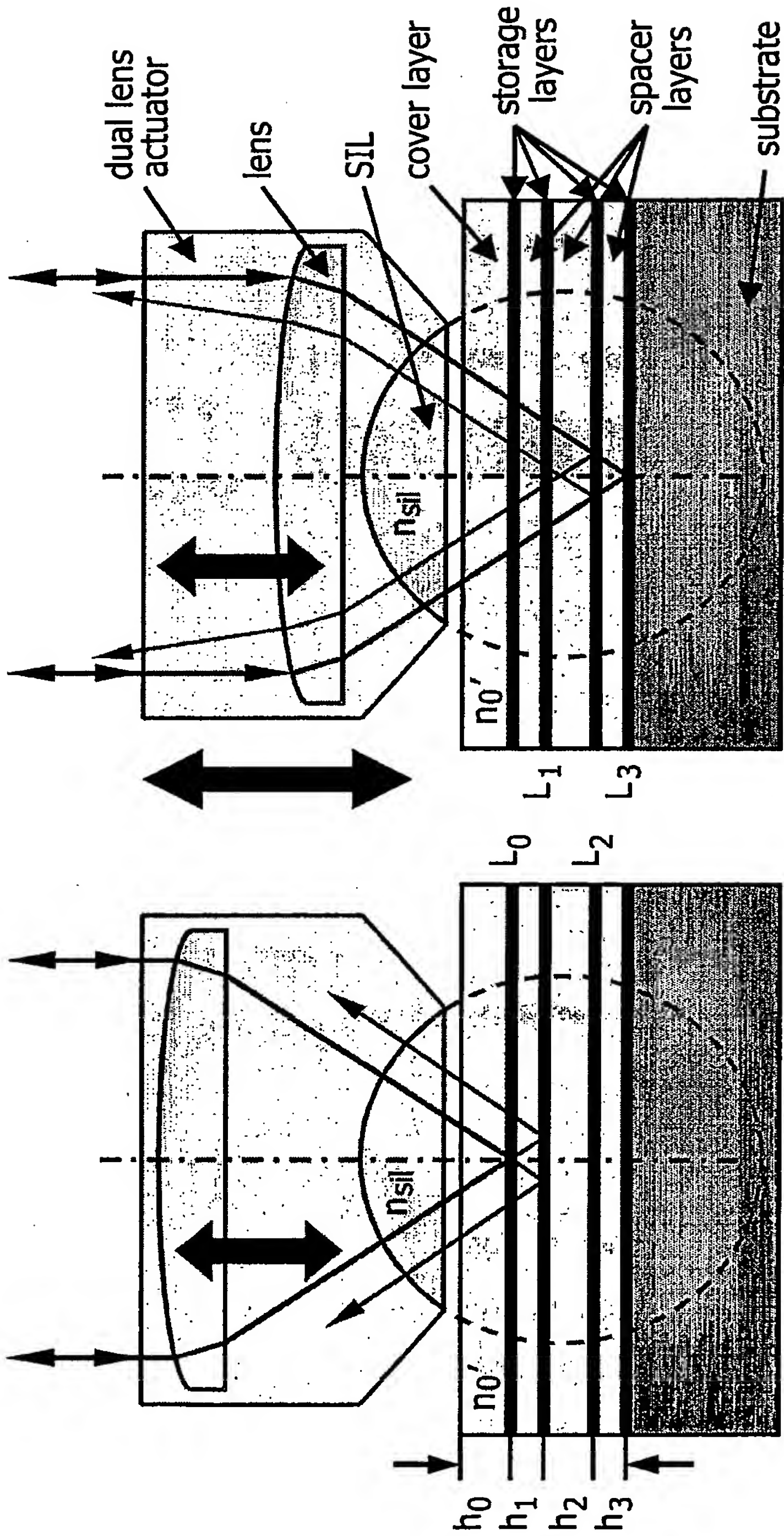


FIG.17B

FIG.17A

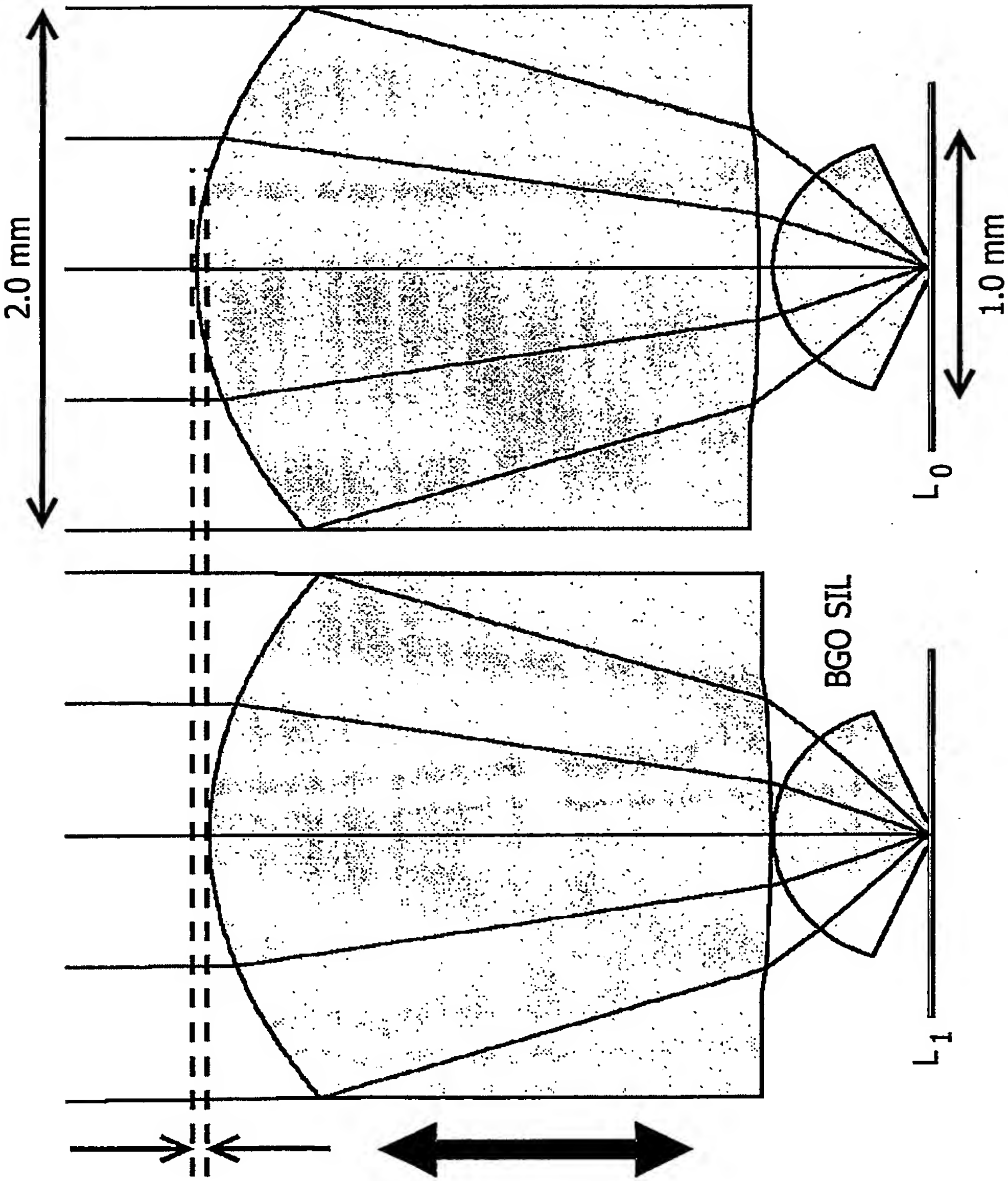


FIG.18

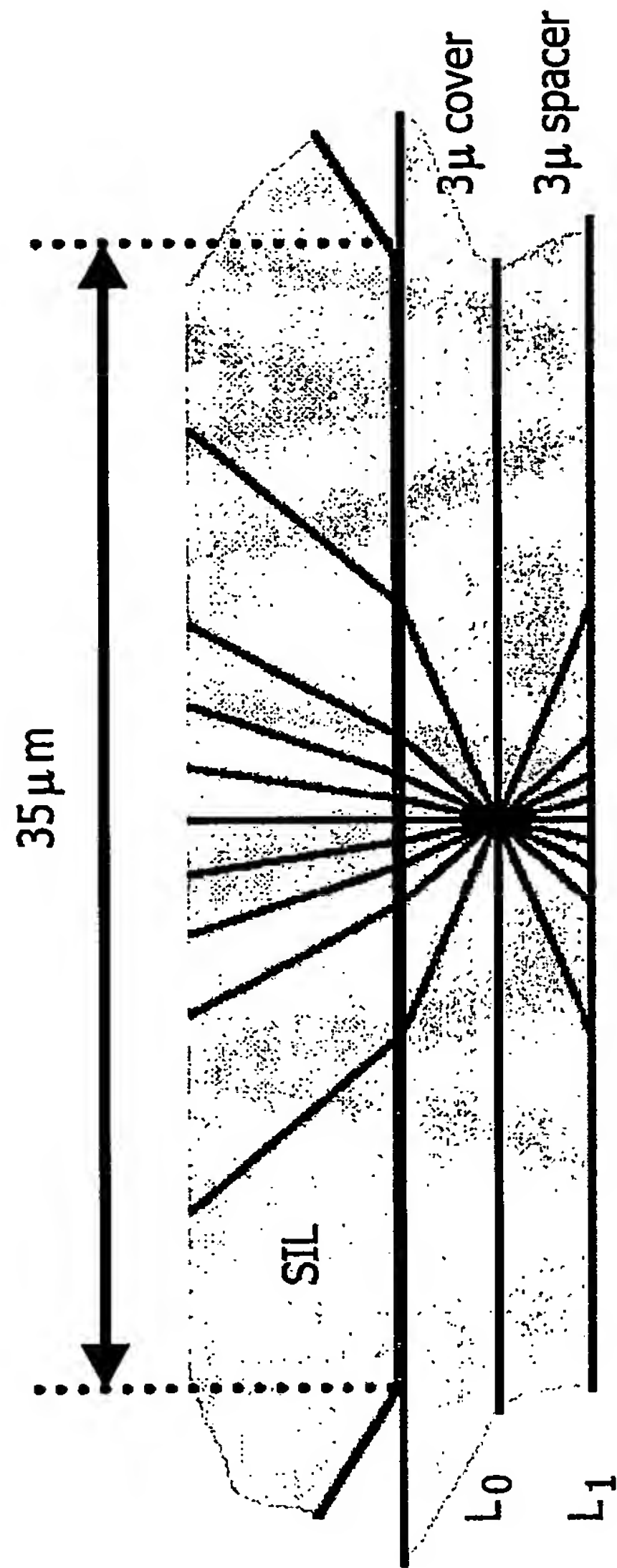


FIG.19

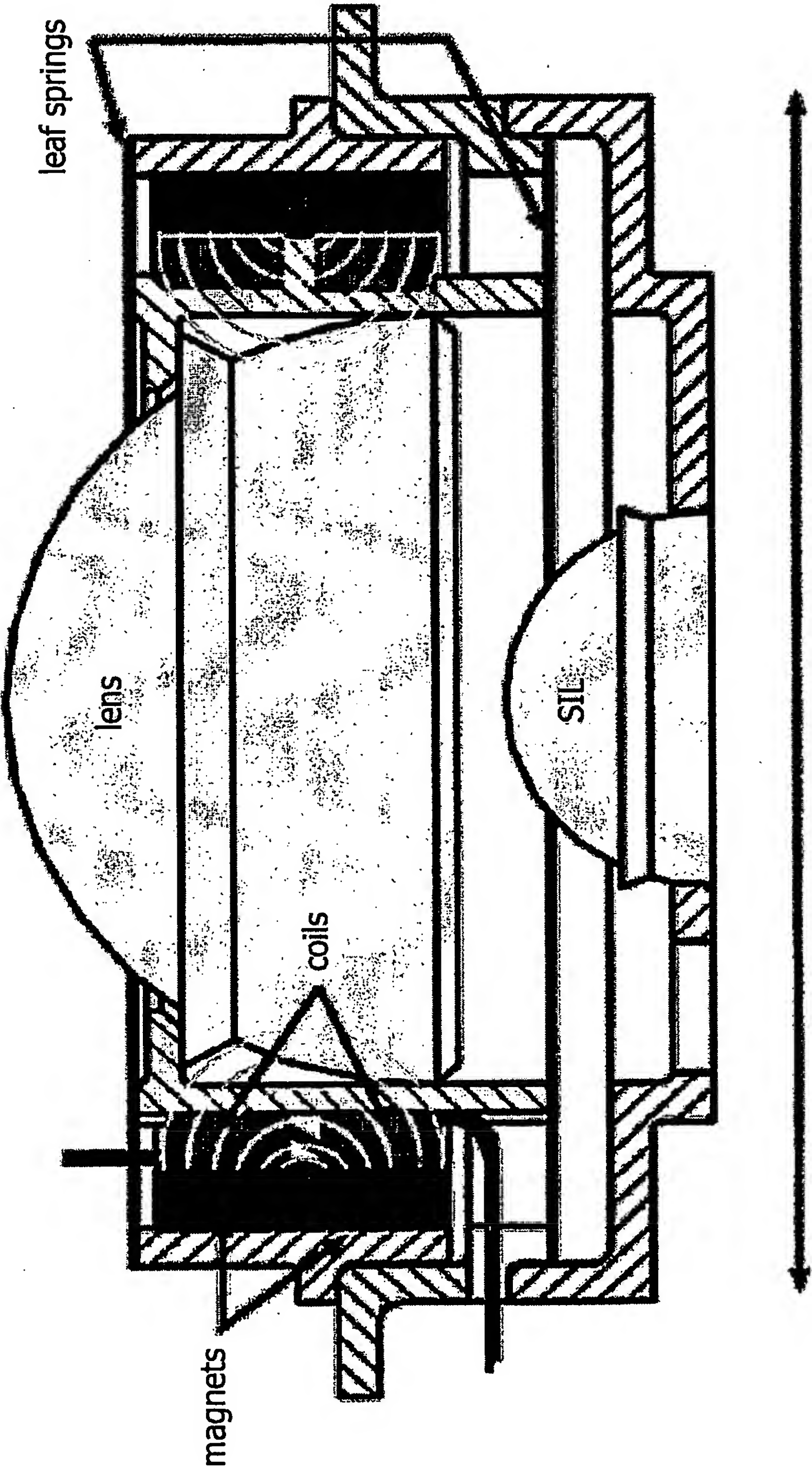
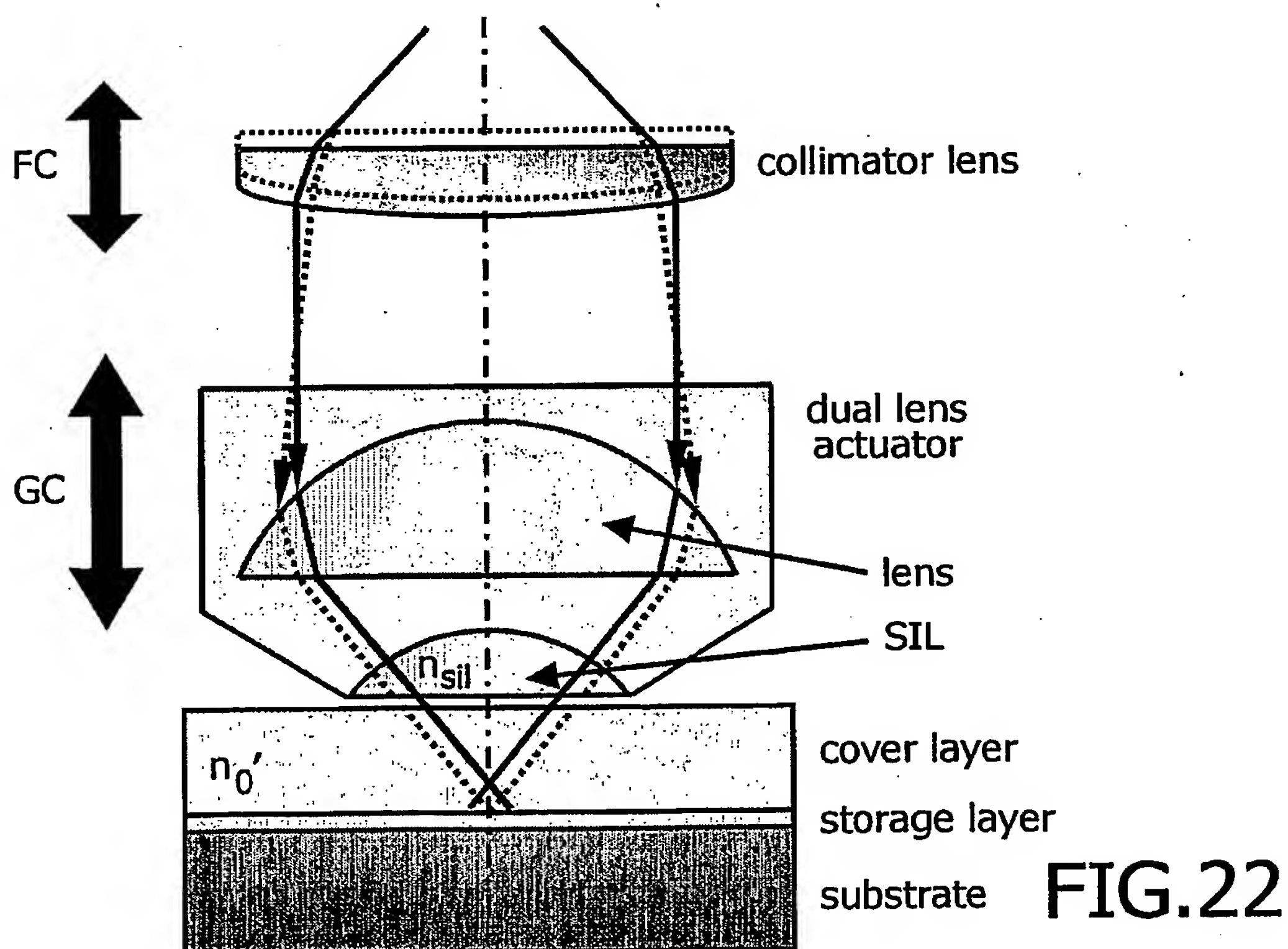
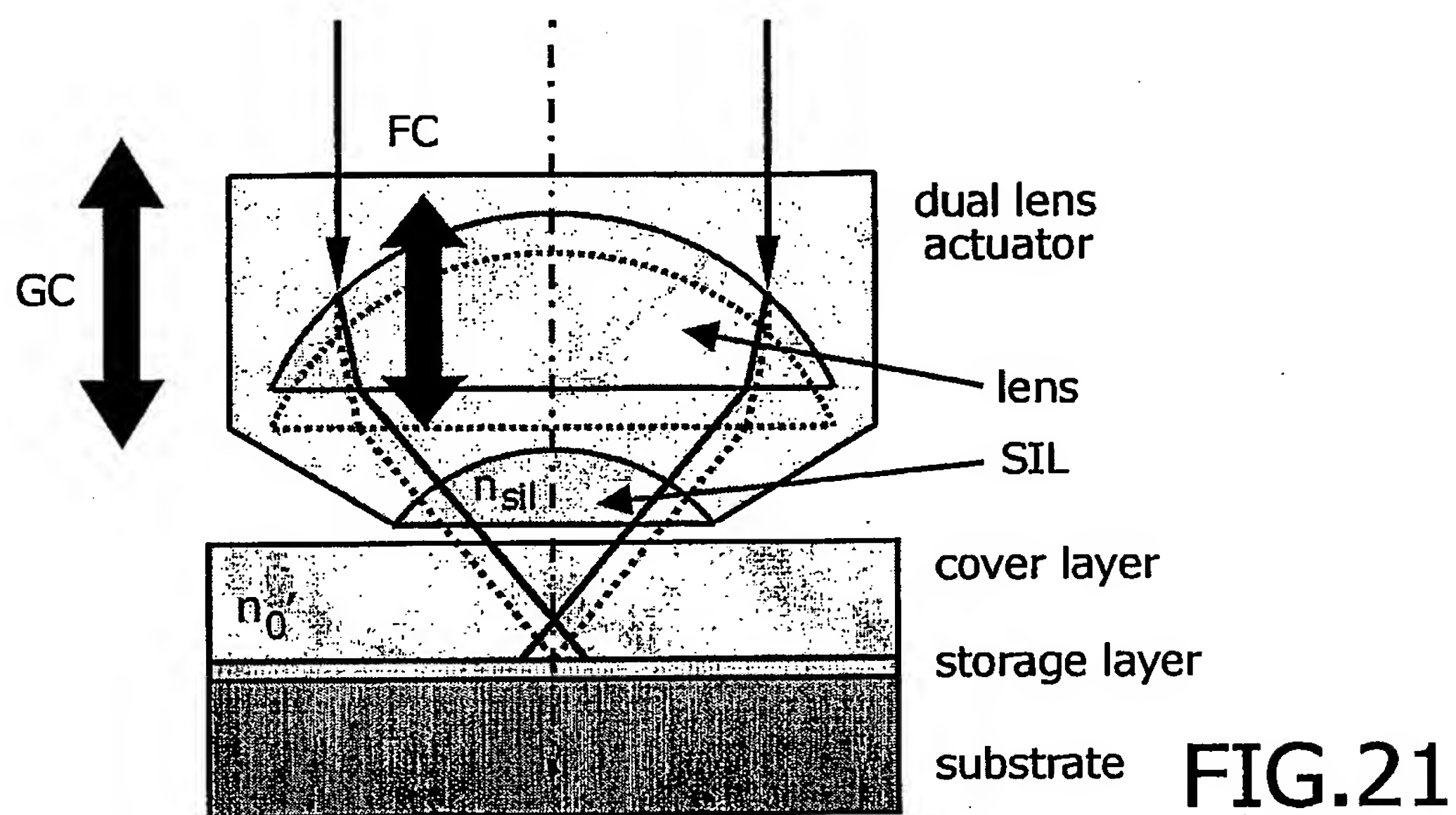


FIG.20

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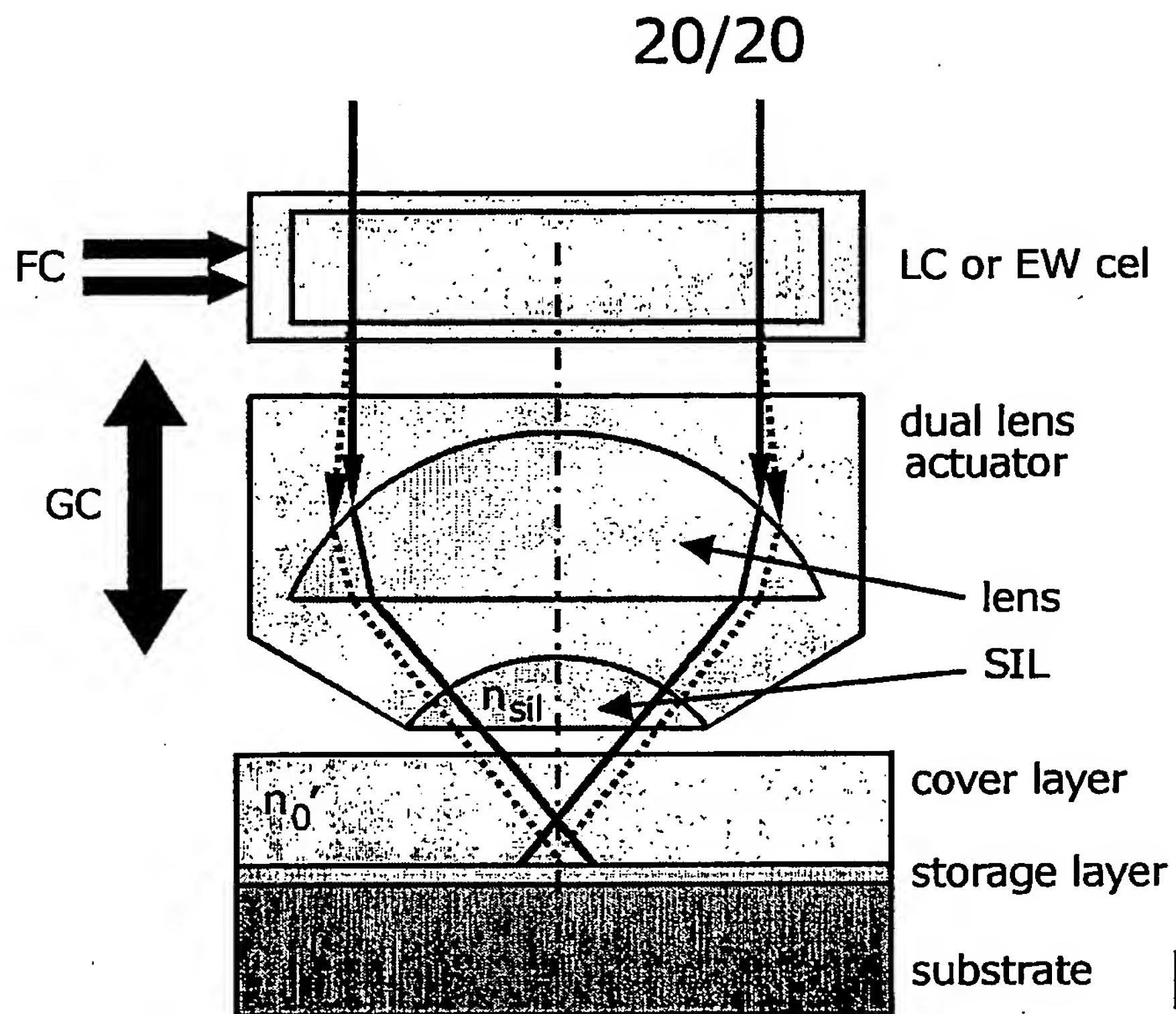


FIG.23

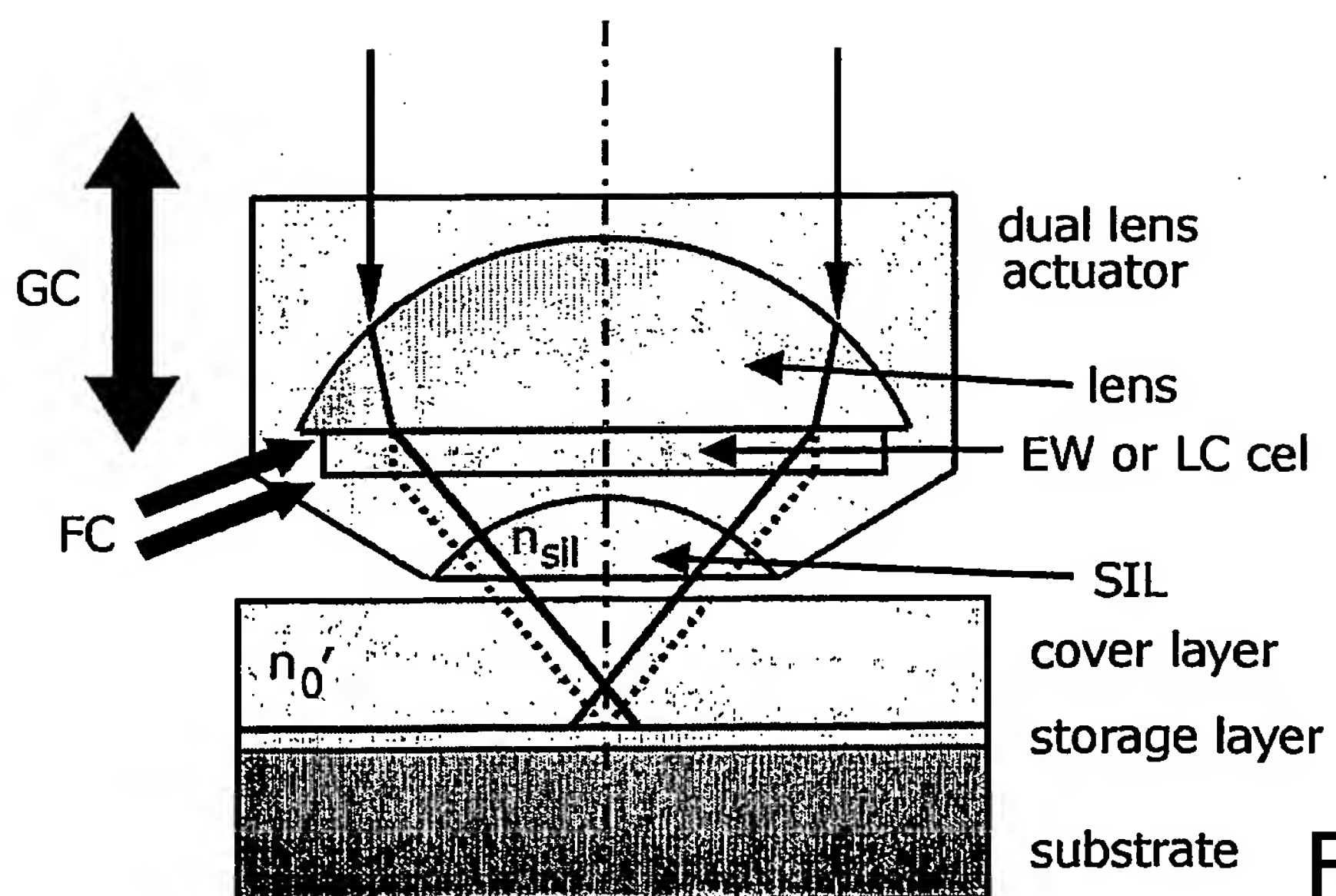


FIG.24